



WHITE KNIGHT™

Ordering Instructions X100

White Knight Pumps have many options and configurations to make them as versatile as possible for our customers. With this versatility comes the trouble of a part numbering system that makes it reasonably easy to order pumps, retrieve part numbers and recognize the numbers as pumps are in the field. For this reason, we have devised the following part numbering system.

All White Knight pump part numbers will begin with the model number (in this case X100). The prefix will then be followed by a series of letters and or numbers. Each letter or number will designate the configuration of a certain part of the pump.

The following is a list of those areas, their options, and the letter or number specifying the specific option. Choose an option for each of the 12 spaces and add the appropriate value to the Pump List Price. The standard dash letters are in large bold type.

X100-____-____-____-____-____-____-____-____-____-____-____-____

X100-1 (This part number includes all default options shown in bold)

Area:	Option:	Letter:
Check Valve Configuration (first number of suffix optional)	Ball, PTFE High-Flow Ball, Co-Polymer	2 3
Liquid Inlet Configuration (first letter of suffix)	Front, Straight Front, Ell Front Straight Catcher II Prefilter	A B C
Liquid Outlet Configuration (second letter)	Front, Straight Front, Ell Top, Straight Top, Ell	A B C D
Liquid Inlet Connection Style (third letter)	3/4" Synchro-Flare 1/2" Synchro-Flare 1" Synchro-Flare 1/2" fnpt 3/4" fnpt 1" fnpt 1/2" Kurabo Finalock®* 3/4" Kurabo Finalock®*	A B C D E F J K

1" Kurabo Finalock®*	L
1/4" Tubing Out	M
1/2" Tubing Out	N
3/4" Tubing Out	O
Blank	P

(This is not an NPT or any other standard, a fitting provided by White Knight Fluid Handling, INC is required in order to make any connection to the pump)

1/2" Flaretek® Compatible	Q
3/4" Flaretek® Compatible	R
1" Flaretek® Compatible	S
1/2" PureBond®	T
3/4" PureBond®	U
1" PureBond®	V
1/2" Pillar Super 300®	W
3/4" Pillar Super 300®	X
1" Pillar Super 300®	Y
1" Tubing Out	Z
1 1/4" Tubing Out	1A
1 1/4" Flaretek® Compatible	1B
1 1/4" Pillar Super 300®	1C
3/4" SMC LQ3®	1D
1" SMC LQ3®	1E

*These options require the appropriate nut and ferrule and are NOT supplied by White Knight Fluid Handling, INC

Liquid Outlet Connection Style
(fourth letter)

3/4" Synchro-Flare®	A
1/2" Synchro-Flare®	B
1" Synchro-Flare®	C
1/2" fnpt	D
3/4" fnpt	E
1" fnpt	F
1/2" Kurabo Finalock®*	J
3/4" Kurabo Finalock®*	K
1" Kurabo Finalock®*	L
1/4" Tubing Out	M
1/2" Tubing Out	N
3/4" Tubing Out	O
Blank	P

(This is not an NPT or any other standard, a fitting provided by White Knight Fluid Handling, INC is required in order to make any connection to the pump)

1/2" Flaretek® Compatible	Q
3/4" Flaretek® Compatible	R
1" Flaretek® Compatible	S
1/2" PureBond®	T
3/4" PureBond®	U
1" PureBond®	V
1/2" Pillar Super 300®	W
3/4" Pillar Super 300®	X
1" Pillar Super 300®	Y
1" Tubing Out	Z

1 1/4" Tubing Out	1A
1 1/4" Flaretek® Compatible	1B
1 1/4" Pillar Super 300®	1C
3/4" SMC LQ3®	1D
1" SMC LQ3®	1E

*These options require the appropriate nut and ferrule and are NOT supplied by White Knight Fluid Handling, INC

Air Supply Inlet Connection Style (fifth letter)	1/4" fnpt ell	A
	1/4" fnpt Straight	B
	3/8" fnpt ell	C
	3/8" fnpt Straight	D

Shuttle Valve Type (sixth letter)	Ceramic	A
	No Shuttle ¹	B

¹ (Please note that if selecting option B then the Muffler Type MUST be "B")

Muffler Type (seventh letter)	Adjustable	A
	Non-Adjustable	B
	Non-adjust W/ Remote Exhaust	C

Pulse Dampener (eighth letter)	No Pulse Dampener	A
	SS100 (Air-run) Pump mount	B
	SS100 (Air-run) In-line ¹	C
	SL100 (Passive) In-line ¹	D
	AL60 (Air-run) In-line ¹	E

¹ (Fittings same as pump outlet)

Note: The following items are optional. However if ANY ONE item is selected, ALL must be included in the part order number. For example, if Leak Detection is desired but not Stroke Detection Stroke Detection must be noted as option "A". If none are required then the part order number may be submitted without any of these letters.

Stroke Detection (ninth letter)	No Stroke Detection	A
	Fiber Optic (PNP) Sourcing	B
	Fiber Optic (NPN) Sinking	C
	Fiber Optic (No sensors)	D
	Solid State Pressure Switch	E
	Fiber Optic (Ports only)	F
	Dual Solid State Pressure Switch ¹	G

¹ (Please note that option "G" is only available when choosing option "B" on shuttle valve type)

Leak Detection (tenth letter)	No Leak Detection	A
	Fiber Optic (PNP) Sourcing	B
	Fiber Optic (NPN) Sinking	C

Fiber Optic (No sensors)	D
1/4" FNPT Leak Detect Adapter	F
Conductivity ¹	G

¹(Should not be used for explosion proof environment)

Old rev level (eleventh letter optional)	Specify rev level	A
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(This option is added for customers requiring Copy Exact due to their ISO specifications. Pumps ordered without the eleventh letter will be shipped the latest revision)

Order Notes

For example, an X100 with Straight Front inlet, Top Straight outlet, 3/4" fnpt inlet, 3/4" fnpt outlet, 3/8 fnpt straight air inlet, Ceramic shuttle valve, Adjustable Mufflers, no Pulse Dampener, Solid State Pressure Switch Stroke Detection, and No Lead Detection would be ordered as follows: X100-ACEEDABAEA.

Standard for White Knight X100s is inlet straight front, outlet straight front, inlet 3/4" fnpt, outlet 3/4" fnpt, Air Supply Inlet 1/4" fnpt ell, Ceramic Shuttle Valve, Non-Adjustable Mufflers, no Pulsation Dampener, no Stroke Detection, and no Leak Detection. An X100 ordered with suffix lettering of simply "-1" (X100-1) would be delivered to the standard configuration (X100-AAEEBABAAA).

We have added an optional numerical option to the beginning of the part number which signifies the type of check valve desired with the pump. If no numeral is placed at the beginning of the part number then the pump will be shipped with the default or standard check valve which is the PTFE Ball check valve or option "2". A standard pump with High Flow check valves would be ordered with the following part number X100-3-AAEEBABAAA.

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